

L Number	Hits	Search Text	DB	Time stamp
1	2365	(544/262,360,365,383).CCLS.	USPAT; US-PGPUB	2004/08/10 11:37
2	2	((544/262,360,365,383).CCLS.) AND ("[4,3-d]" OR piperazin-1-ylsol\$2onyl)	USPAT; US-PGPUB	2004/08/10 11:38
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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10 Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12 AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14 AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 15 AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:13:18 ON 10 AUG 2004

=> file reg

FILE 'REGISTRY' ENTERED AT 14:14:44 ON 10 AUG 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 AUG 2004 HIGHEST RN 724701-07-9

DICTIONARY FILE UPDATES: 9 AUG 2004 HIGHEST RN 724701-07-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

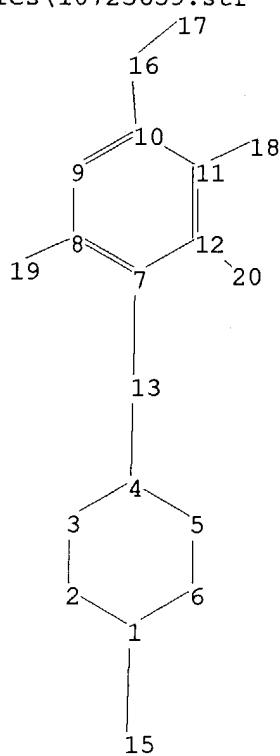
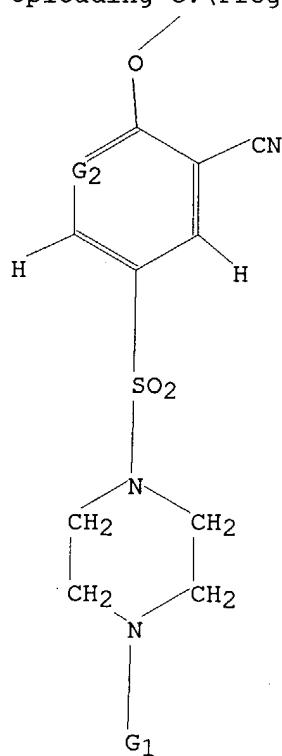
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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G1:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G2:N,CH

Match level :

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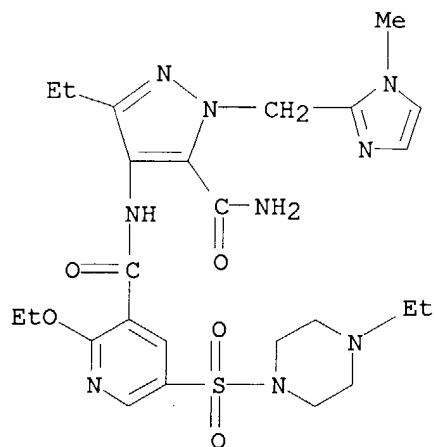
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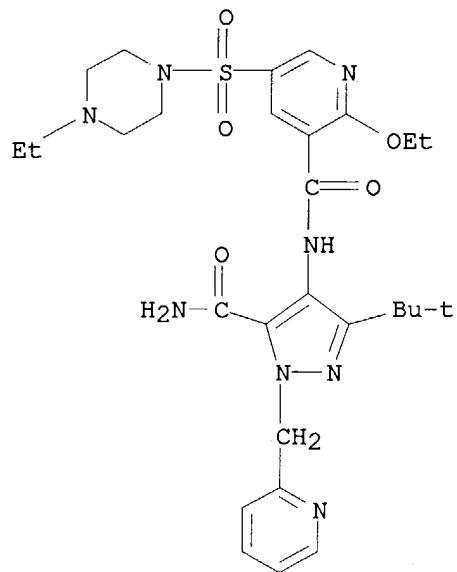
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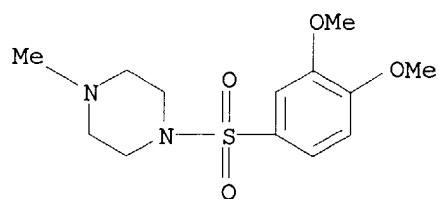
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 12 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-(1,1-dimethylethyl)-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI)
 MF C28 H38 N8 O5 S



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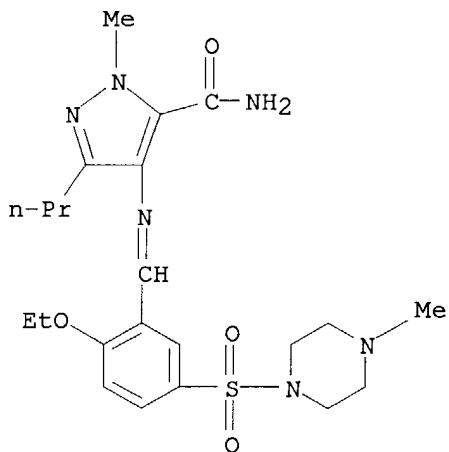
L2 12 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Piperazine, 1-[(3,4-dimethoxyphenyl)sulfonyl]-4-methyl- (9CI)
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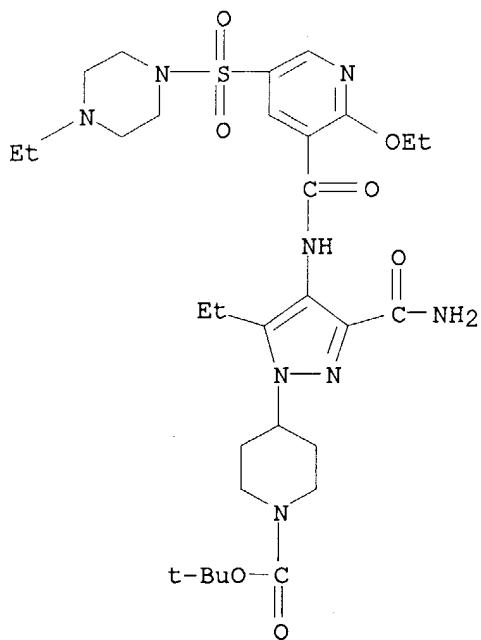
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 12 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1H-Pyrazole-5-carboxamide, 4-[[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]methylene]amino]-1-methyl-3-propyl- (9CI)
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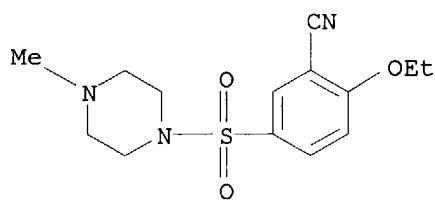
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 IN 1-Piperidinecarboxylic acid, 4-[3-(aminocarbonyl)-4-[[[2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-3-pyridinyl]carbonyl]amino]-5-ethyl-1H-pyrazol-1-yl]-, 1,1-dimethylethyl ester (9CI)
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

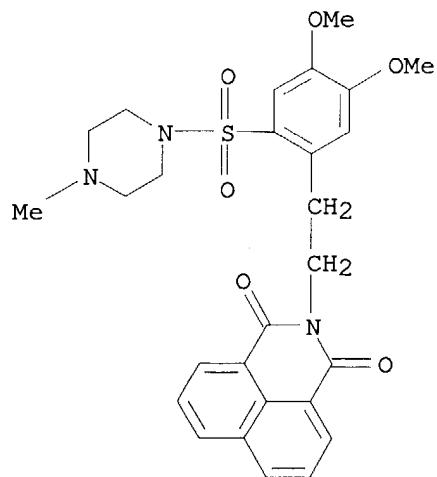
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 12 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
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 MF C14 H19 N3 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 12 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Piperazine, 1-[(2-[2-(1,3-dioxo-1H-benz[de]isoquinolin-2(3H)-yl)ethyl]-4,5-dimethoxyphenyl)sulfonyl]-4-methyl- (9CI)
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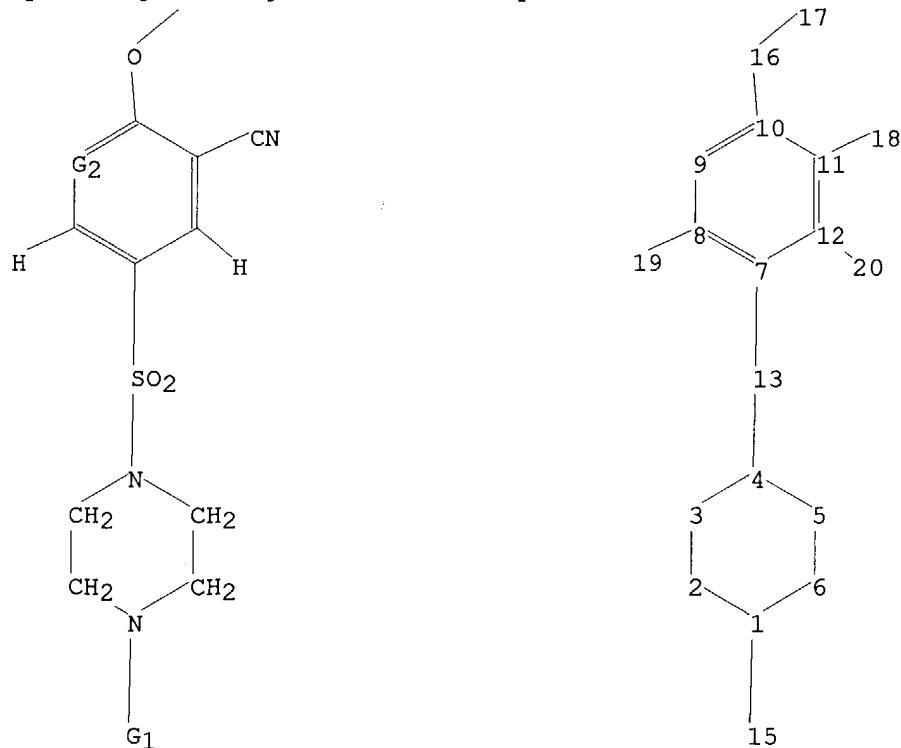


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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10/723,659

Thomas McKenzi

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ring nodes :  
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exact/norm bonds :  
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G1:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G2:N,CH

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
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L3 STRUCTURE UPLOADED

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FULL SCREEN SEARCH COMPLETED - 3986 TO ITERATE

100.0% PROCESSED 3986 ITERATIONS 181 ANSWERS
SEARCH TIME: 00.00.01

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FILE 'CAPLUS' ENTERED AT 14:18:42 ON 10 AUG 2004
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FILE COVERS 1907 - 10 Aug 2004 VOL 141 ISS 7
FILE LAST UPDATED: 9 Aug 2004 (20040809/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L6 39 SORT L5 PY

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L6 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN
 1998:13695 Document No. 128:75412 Process for preparation of Sildenafil by cyclization. Dunn, Peter James; Wood, Albert Shaw (Pfizer Limited, UK; Pfizer Research and Development Company, N.V./s.A.). Eur. Pat. Appl. EP 812845 A1 19971217, 18 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 1997-303832 19970604. PRIORITY: GB 1996-12514 19960614.

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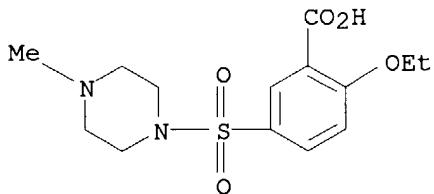
IT 194602-23-8P 200575-15-1P

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(process for preparation of clin. quality sildenafil by cyclization)

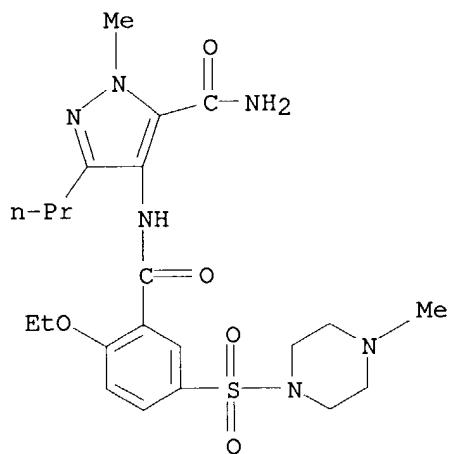
RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

1997:390578 Document No. 127:5005 Preparation of sulfamoylphenyl alkanoates as elastase inhibitors. Nakae, Takahiko; Kato, Masashi; Fujita, Takehito; Kawabata, Kazuhito; Ohno, Hiroyuki (Ono Pharmaceutical Co., Ltd., Japan). Eur. Pat. Appl. EP 769498 A1 19970423, 270 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1996-307048 19960927.

PRIORITY: JP 1995-272058 19950927; JP 1996-45663 19960224.

PATENT NO. KIND DATE APPLICATION NO.

DATE

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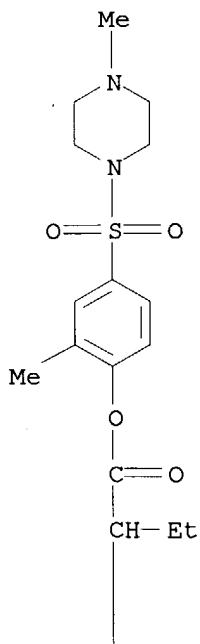
IT **190251-73-1 P 190255-77-7P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfamoylphenyl alkanoates as elastase inhibitors)

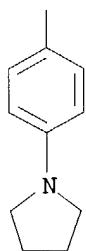
RN 190251-73-1 CAPLUS

CN Benzeneacetic acid, α -ethyl-4-(1-pyrrolidinyl)-,
2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl ester, dihydrochloride
(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

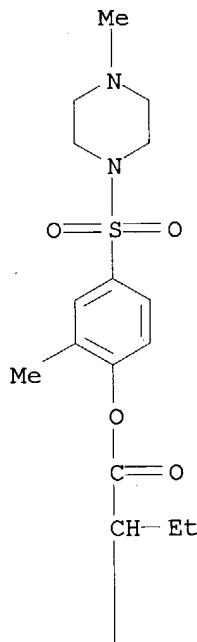


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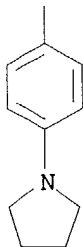
RN 190255-77-7 CAPLUS

CN Benzeneacetic acid, α -ethyl-4-(1-pyrrolidinyl)-,
2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl ester (9CI) (CA INDEX
NAME)

PAGE 1-A



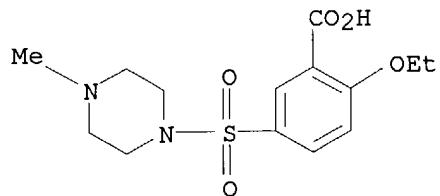
PAGE 2-A



L6 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN
 1998:721699 Document No. 129:330741 Preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic guanosine 3',5'-monophosphate phosphodiesterase (cGMP PDE5) for the treatment of sexual dysfunction..
 Bunnage, Mark Edward; Mathias, John Paul; Street, Stephen Derek Albert; Wood, Anthony (Pfizer Ltd., UK; Pfizer Inc.). PCT Int. Appl. WO 9849166 A1 19981105, 157 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2.
 APPLICATION: WO 1998-EP2257 19980410. PRIORITY: GB 1997-8406 19970425; GB 1997-15380 19970722; GB 1997-22954 19971030.

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| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | |
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| JP 2000510485 | T2 | 20000815 | JP 1998-546543 | 19980410 |
| BR 9810233 | A | 20001017 | BR 1998-10233 | 19980410 |
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| CA 2288910 | C | 20030624 | CA 1998-2288910 | 19980410 |
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| US 6723719 | B1 | 20040420 | US 1999-402229 | 19990929 |
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| NO 9905211 | A | 19991025 | NO 1999-5211 | 19991025 |

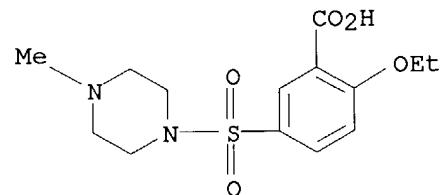
JP 2004196820 A2 20040715 JP 2004-59879 20040303
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 215299-79-9P 215299-80-2P 215299-81-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic
 guanosine 3',5'-monophosphate phosphodiesterase for the treatment of
 sexual dysfunction)
 RN 194602-23-8 CAPLUS
 CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA
 INDEX NAME)



RN 215299-33-5 CAPLUS
 CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-,
 monohydrochloride, compd. with N,N-diethylethanamine (1:1) (9CI) (CA
 INDEX NAME)

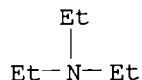
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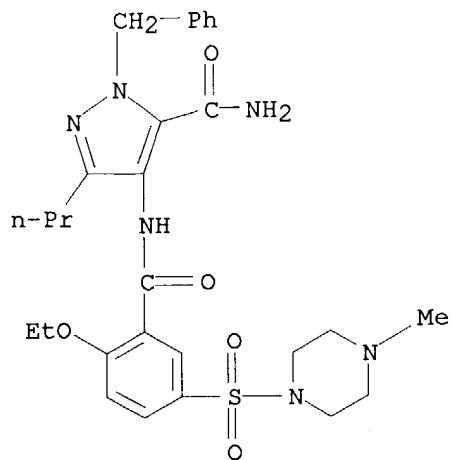


CM 2

CRN 121-44-8
 CMF C6 H15 N

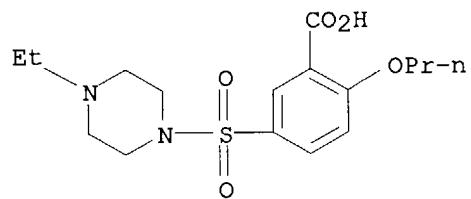


RN 215299-34-6 CAPLUS
 CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-3-propyl- (9CI) (CA
 INDEX NAME)



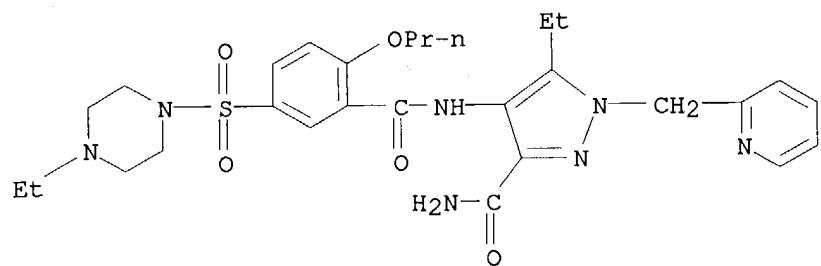
RN 215299-79-9 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



RN 215299-80-2 CAPLUS

CN 1H-Pyrazole-3-carboxamide, 5-ethyl-4-[[5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxybenzoyl]amino]-1-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



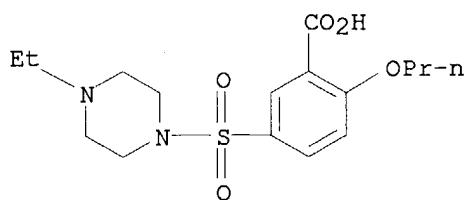
RN 215299-81-3 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 215299-79-9

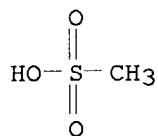
CMF C16 H24 N2 O5 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



L6 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

1998:605272 Document No. 129:330622 Palladium(0)-catalyzed arylations using pyrrole- and indole-2-boronic acids. Johnson, Christopher N.; Stemp, Geoffrey; Anand, Neel; Stephen, Susanna C.; Gallagher, Timothy (SmithKline Beecham Pharmaceuticals, Harlow, CM19 5AW, UK). Synlett (9), 1025-1027 (English) 1998. CODEN: SYNLES. ISSN: 0936-5214. OTHER SOURCES: CASREACT 129:330622. Publisher: Georg Thieme Verlag.

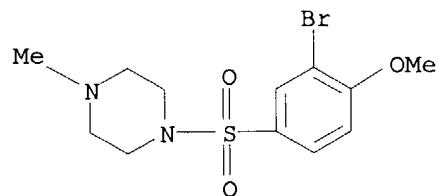
IT 215187-22-7

RL: RCT (Reactant); RACT (Reactant or reagent)

(palladium-catalyzed arylation using pyrrole- and indoleboronates)

RN 215187-22-7 CAPLUS

CN Piperazine, 1-[(3-bromo-4-methoxyphenyl)sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

1998:568589 Document No. 129:175653 Preparation of benzenesulfonamides as elastase inhibitors. Nakae, Takahiko; Kato, Masashi; Fujita, Takehito; Kawabata, Kazuhito; Ohno, Hiroyuki (Ono Pharmaceutical Co., Ltd., Japan).

U.S. US 5795890 A 19980818, 150 pp. (English). CODEN: USXXAM.

APPLICATION: US 1996-718722 19960924. PRIORITY: JP 1995-272568 19950927; JP 1996-45663 19960208.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| PI US 5795890 | A | 19980818 | US 1996-718722 | 19960924 |
| JP 09165365 | A2 | 19970624 | JP 1995-272058 | 19950927 |
| JP 09278742 | A2 | 19971028 | JP 1996-271341 | 19960924 |
| JP 2881688 | B2 | 19990412 | | |
| JP 10251218 | A2 | 19980922 | JP 1998-111630 | 19960924 |
| AU 9665837 | A1 | 19970410 | AU 1996-65837 | 19960925 |
| AU 714025 | B2 | 19991216 | | |
| ZA 9608069 | A | 19970520 | ZA 1996-8069 | 19960925 |
| NO 9604045 | A | 19970401 | NO 1996-4045 | 19960926 |
| CA 2186665 | AA | 19970328 | CA 1996-2186665 | 19960927 |
| US 5998410 | A | 19991207 | US 1998-31192 | 19980226 |

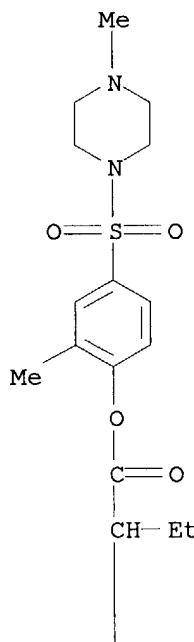
IT 190251-73-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of benzenesulfonamides as elastase inhibitors)

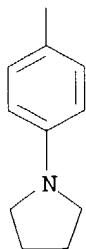
RN 190251-73-1 CAPLUS

CN Benzeneacetic acid, α -ethyl-4-(1-pyrrolidinyl)-, 2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



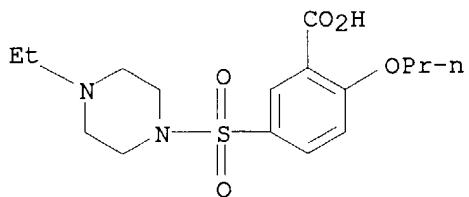
PAGE 2-A



●2 HCl

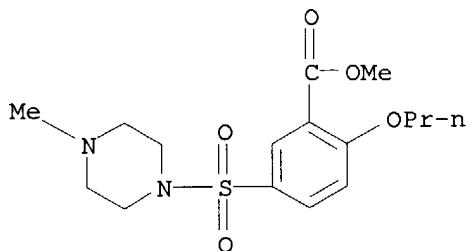
L6 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN
 1999:795656 Document No. 132:35712 Preparation of quinazolinone inhibitors
 of cGMP phosphodiesterase. Macor, John E.; Rotella, David P.; Weller,
 Harold N., III; Cushman, David W.; Yevich, Joseph P. (Bristol-Myers Squibb
 Company, USA). PCT Int. Appl. WO 9964004 A1 19991216, 141 pp. DESIGNATED
 STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
 DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IN, IS, JP, KE, KG, KP,
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 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU,
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 CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR,
 NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO
 1999-US12485 19990602. PRIORITY: US 1998-88538 19980608.

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| | US 6087368 | A | 20000711 | US 1999-322678 | 19990528 |
| | CA 2334970 | AA | 19991216 | CA 1999-2334970 | 19990602 |
| | AU 9943332 | A1 | 19991230 | AU 1999-43332 | 19990602 |
| | AU 746586 | B2 | 20020502 | | |
| | EP 1085871 | A1 | 20010328 | EP 1999-955422 | 19990602 |
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IE, FI | | | | |
| IT | 215299-79-9P 252233-57-1P 252233-58-2P
252233-60-6P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent) | | | | |
| | (preparation of quinazolinone inhibitors of cGMP phosphodiesterase) | | | | |
| RN | 215299-79-9 | CAPLUS | | | |
| CN | Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA
INDEX NAME) | | | | |



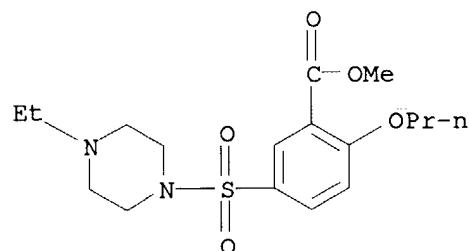
RN 252233-57-1 CAPLUS

CN Benzoic acid, 5-[4-methyl-1-piperazinyl]sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)



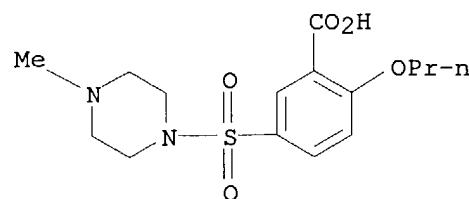
RN 252233-58-2 CAPLUS

CN Benzoic acid, 5-[4-ethyl-1-piperazinyl]sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 252233-60-6 CAPLUS

CN Benzoic acid, 5-[4-methyl-1-piperazinyl]sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



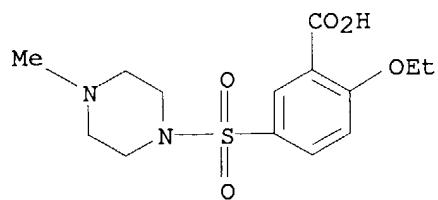
1999:729792 Document No. 132:279187 Synthesis of sildenafil. Shen, Jing; You, Congchao; Wu, Song (Institute of Materia Medica, Chinese Academy of Materia Medica and Peking Union Medical College, Beijing, 100050, Peop. Rep. China). Zhongguo Yaowu Huaxue Zazhi, 9(3), 220-222 (Chinese) 1999. CODEN: ZYHZEY. ISSN: 1005-0108. Publisher: Zhongguo Yaowu Huaxue Zazhi Bianjibu.

IT 194602-23-8P 200575-15-1P 263710-03-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of sildenafil)

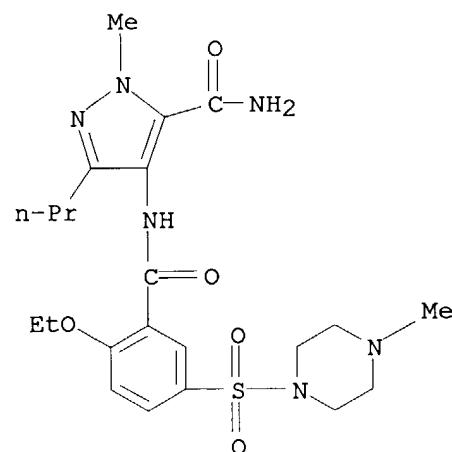
RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



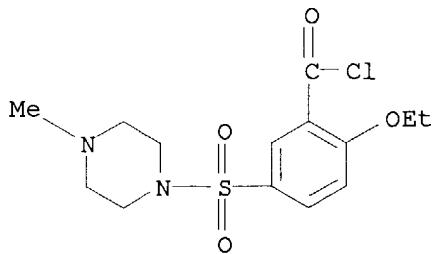
RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



RN 263710-03-8 CAPLUS

CN Benzoyl chloride, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



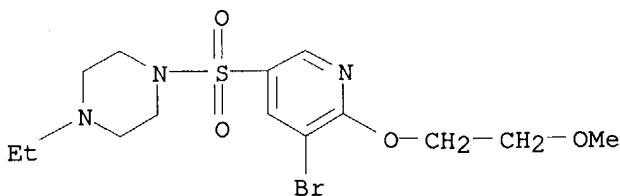
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L6 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

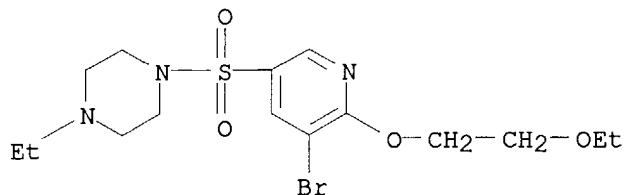
1999:691100 Document No. 131:310644 Preparation of pyrazolopyrimidinone cGMP PDE5 inhibitors for the treatment of sexual dysfunction. Bunnage, Mark Edward; Mathias, John Paul; Street, Stephen Derek Albert; Wood, Anthony (Pfizer Inc., USA; Pfizer Limited). PCT Int. Appl. WO 9954333 A1 19991028, 221 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-IB519 19990325. PRIORITY: GB 1998-8315 19980420; GB 1998-14187 19980630.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| AU 748352 | B2 | 20020606 | | |
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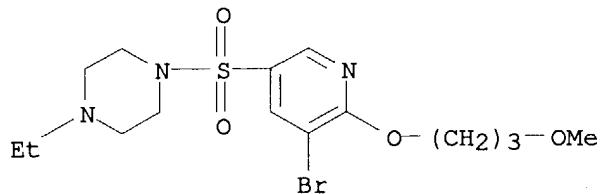
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| HR 2000000712 | A1 | 20010630 | HR 2000-712 | 20001020 |
| BG 104949 | A | 20010629 | BG 2000-104949 | 20001115 |
| US 2001039271 | A1 | 20011108 | US 2001-845420 | 20010430 |
| US 6458951 | B2 | 20021001 | | |
| JP 2004099620 | A2 | 20040402 | JP 2003-390698 | 20031120 |
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| | 247584-11-8P | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | |
| | (preparation of pyrazolopyrimidinone cGMP PDE5 inhibitors for the treatment of sexual dysfunction) | | | |
| RN | 247582-64-5 CAPLUS | | | |
| CN | Piperazine, 1-[(5-bromo-6-(2-methoxyethoxy)-3-pyridinyl)sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME) | | | |



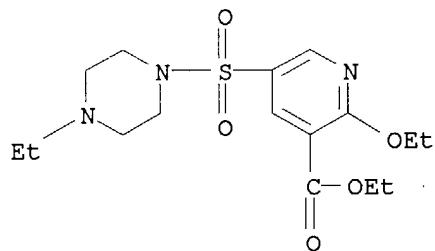
RN 247582-65-6 CAPLUS
 CN Piperazine, 1-[(5-bromo-6-(2-methoxyethoxy)-3-pyridinyl)sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME)



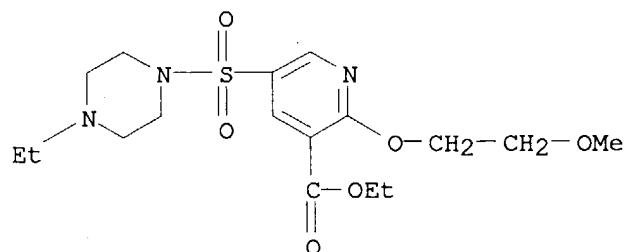
RN 247582-66-7 CAPLUS

CN Piperazine, 1-[5-bromo-6-(3-methoxypropoxy)-3-pyridinyl]sulfonyl]-4-ethyl-
(9CI) (CA INDEX NAME)

RN 247582-68-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-,
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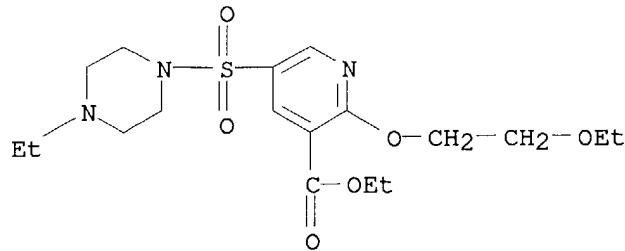
RN 247582-69-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-
methoxyethoxy)-, ethyl ester (9CI) (CA INDEX NAME)

RN 247582-70-3 CAPLUS

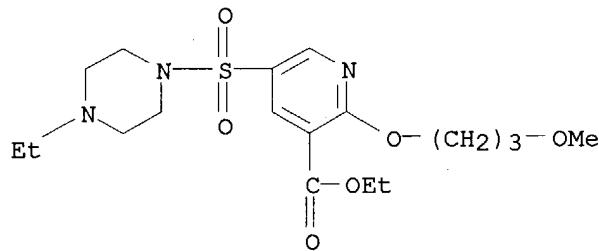
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piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



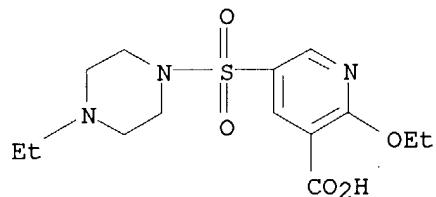
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CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(3-methoxypropoxy)-, ethyl ester (9CI) (CA INDEX NAME)



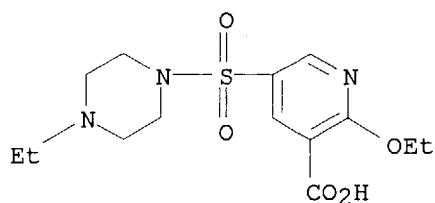
RN 247582-73-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 247582-74-7 CAPLUS

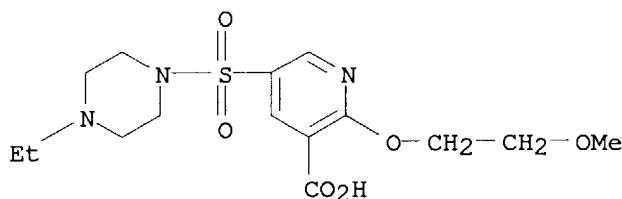
CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, sodium salt (9CI) (CA INDEX NAME)



● Na

RN 247582-75-8 CAPLUS

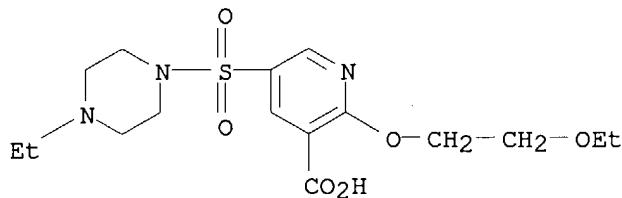
CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 247582-76-9 CAPLUS

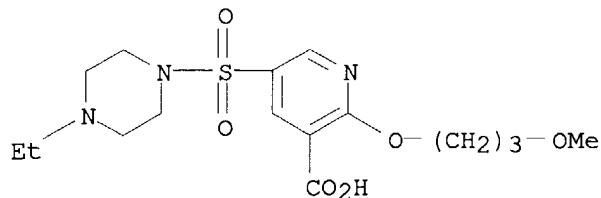
CN 3-Pyridinecarboxylic acid, 2-(2-ethoxyethoxy)-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 247582-77-0 CAPLUS

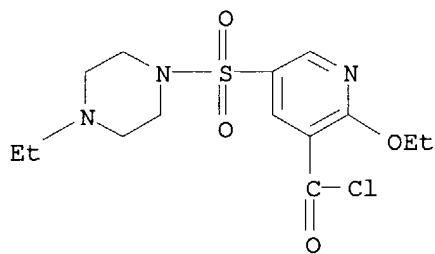
CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(3-methoxypropoxy)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 247582-78-1 CAPLUS

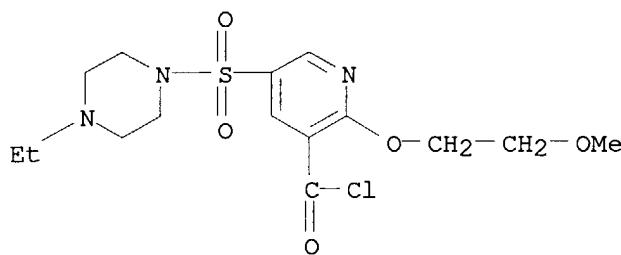
CN 3-Pyridinecarboxyl chloride, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 247582-79-2 CAPLUS

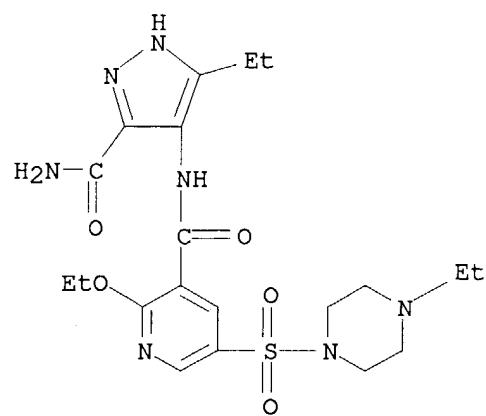
CN 3-Pyridinecarboxyl chloride, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 247582-85-0 CAPLUS

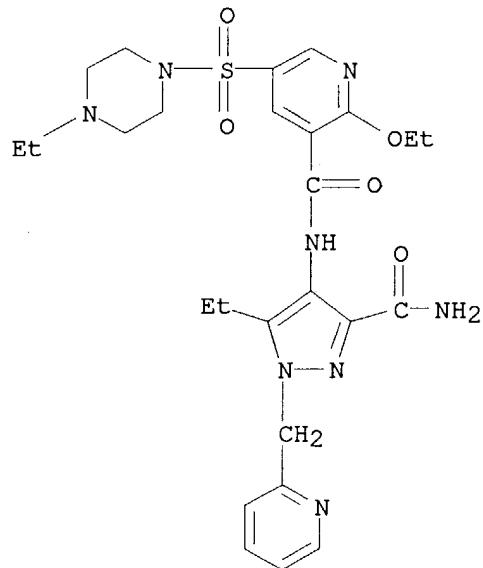
CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

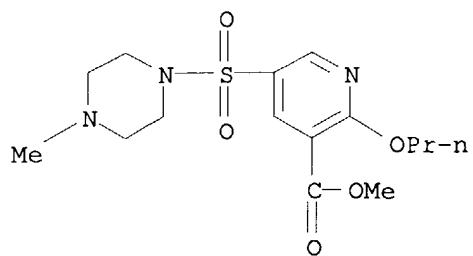
RN 247582-87-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



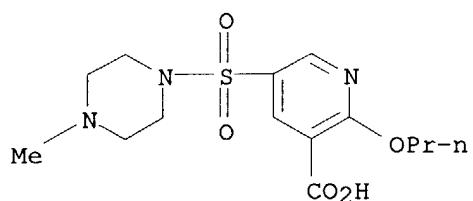
RN 247582-91-8 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)



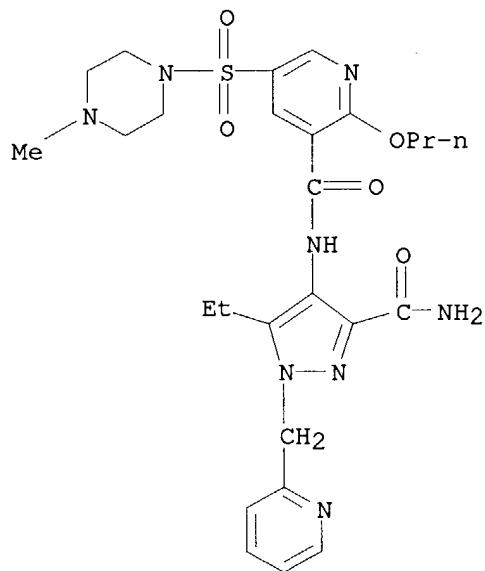
RN 247582-92-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



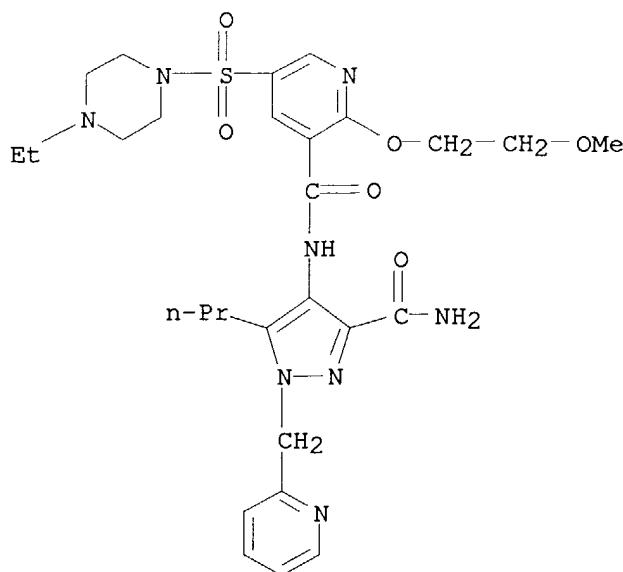
RN 247582-93-0 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



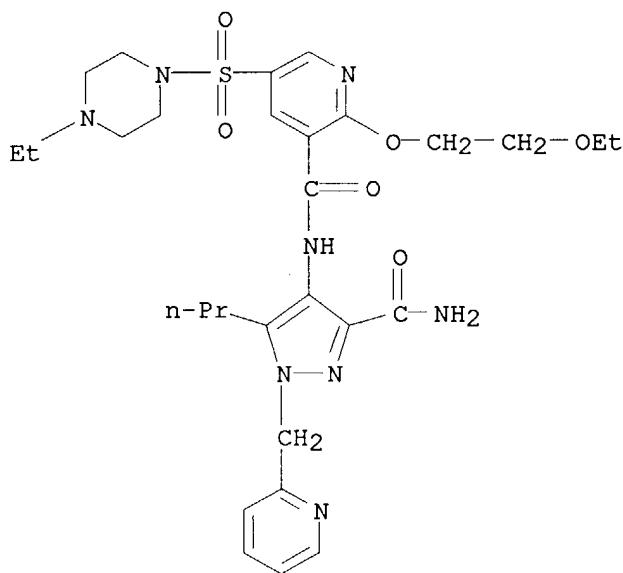
RN 247582-94-1 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)



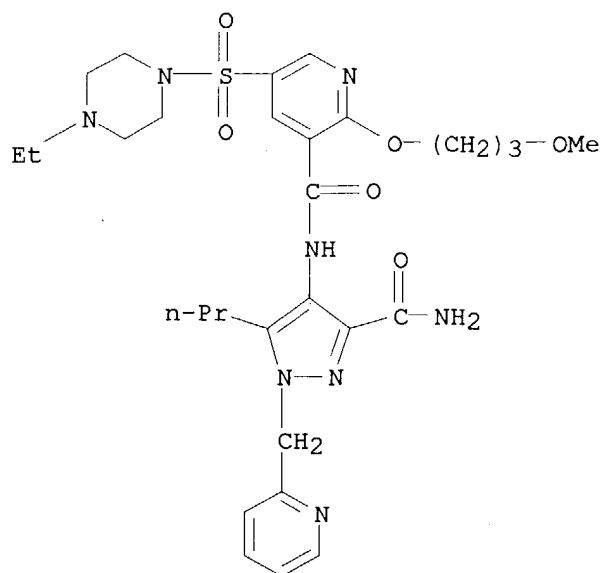
RN 247582-95-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-(2-ethoxyethoxy)-5-[(4-ethyl-1-piperazinyl)sulfonyl]-(9CI) (CA INDEX NAME)



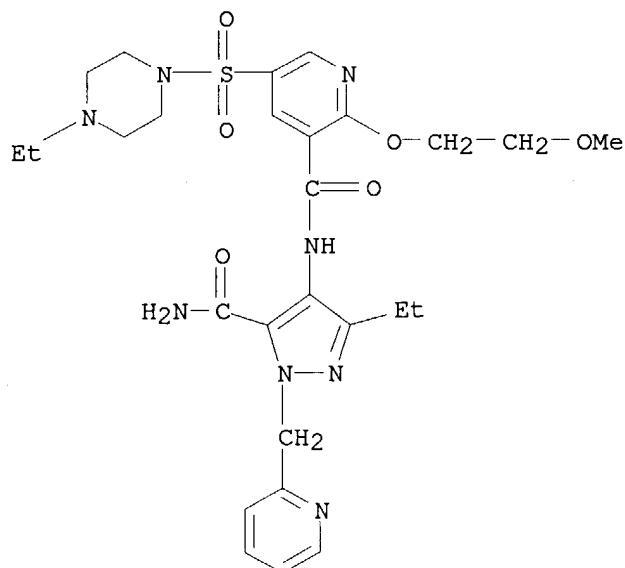
RN 247582-96-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(3-methoxypropoxy)-(9CI) (CA INDEX NAME)



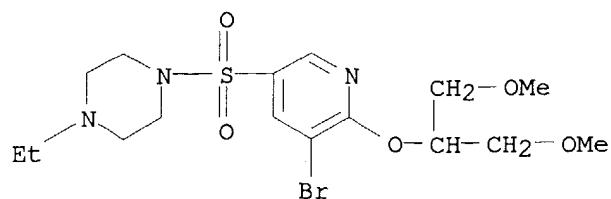
RN 247583-06-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-ethyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)-(9CI) (CA INDEX NAME)



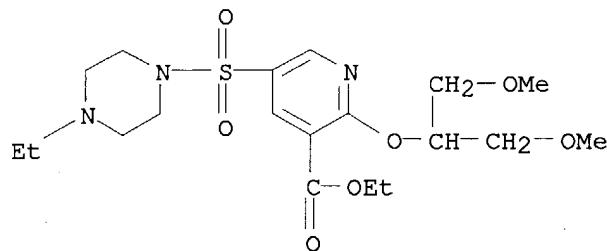
RN 247583-07-9 CAPLUS

CN Piperazine, 1-[[5-bromo-6-[2-methoxy-1-(methoxymethyl)ethoxy]-3-pyridinyl]sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME)



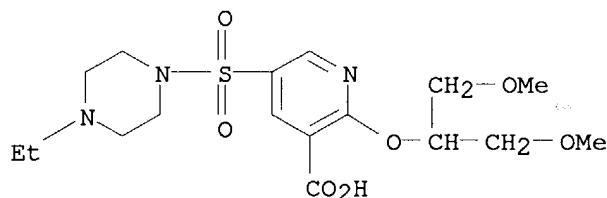
RN 247583-08-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-methoxy-1-(methoxymethyl)ethoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 247583-13-7 CAPLUS

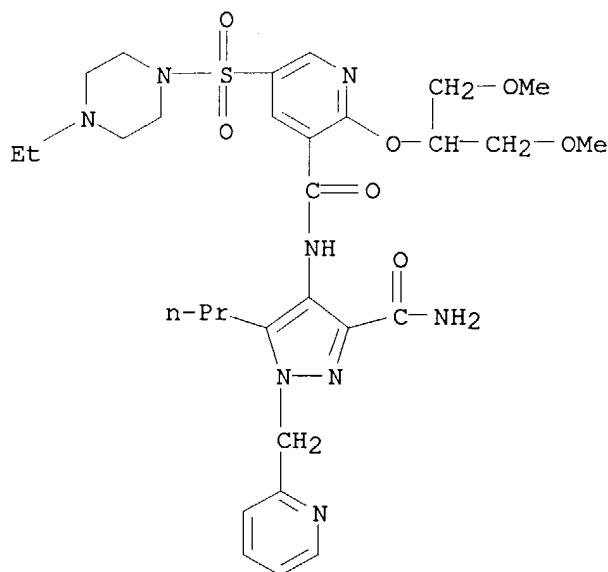
CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-methoxy-1-(methoxymethyl)ethoxy]-, sodium salt (9CI) (CA INDEX NAME)



● Na

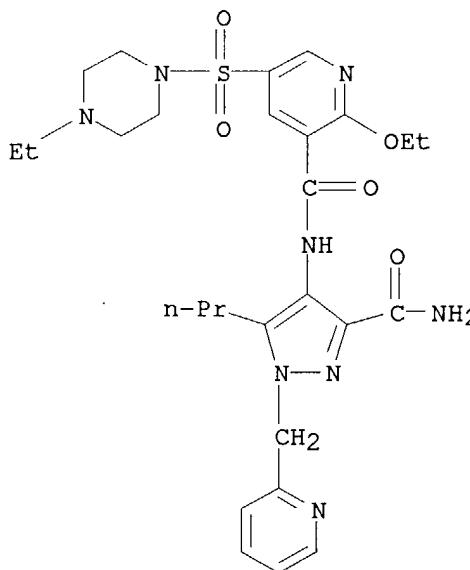
RN 247583-14-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-methoxy-1-(methoxymethyl)ethoxy]- (9CI) (CA INDEX NAME)



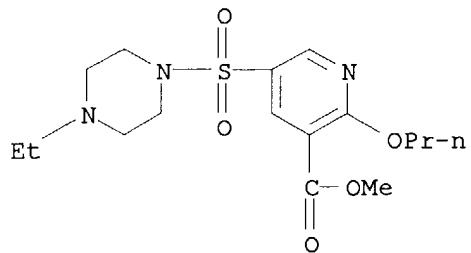
RN 247583-19-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



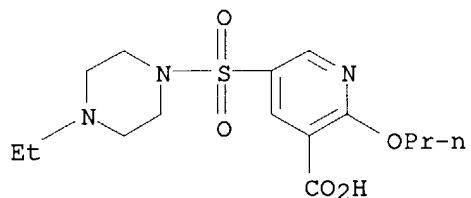
RN 247583-20-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)



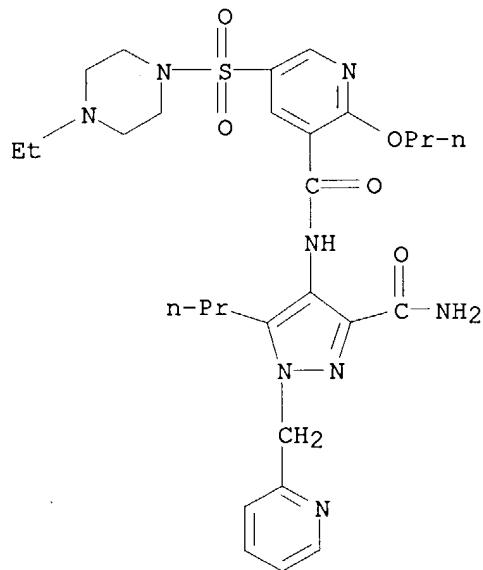
RN 247583-21-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



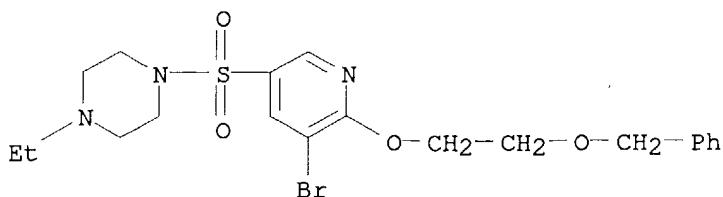
RN 247583-22-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



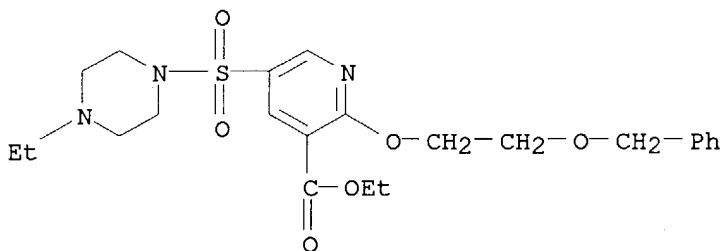
RN 247583-23-9 CAPLUS

CN Piperazine, 1-[[5-bromo-6-[2-(phenylmethoxy)ethoxy]-3-pyridinyl]sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME)



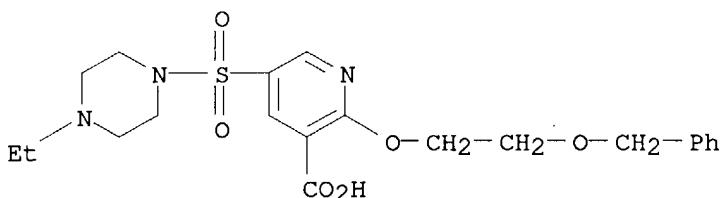
RN 247583-24-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-(phenylmethoxy)ethoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 247583-25-1 CAPLUS

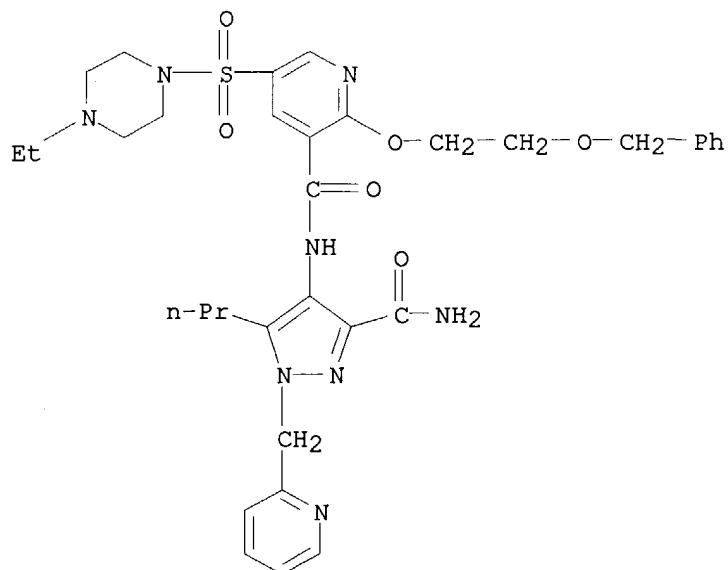
CN 3-Pyridinecarboxylic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-(phenylmethoxy)ethoxy]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

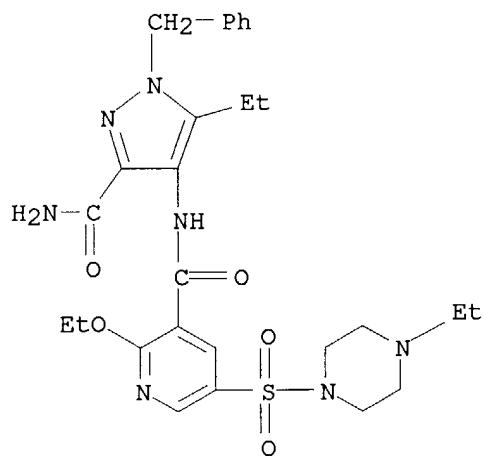
RN 247583-26-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-[2-(phenylmethoxy)ethoxy]- (9CI) (CA INDEX NAME)



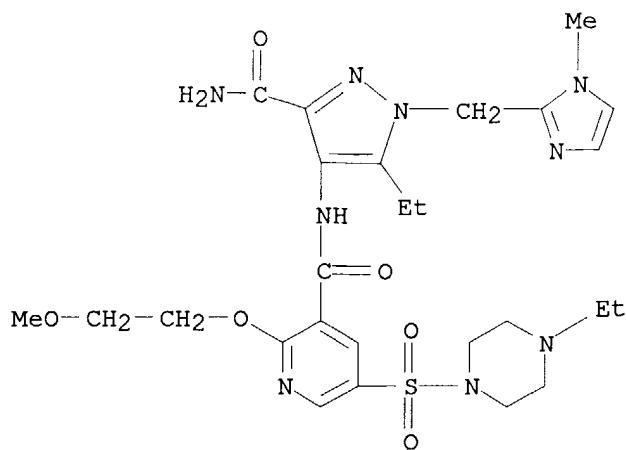
RN 247583-30-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-(phenylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



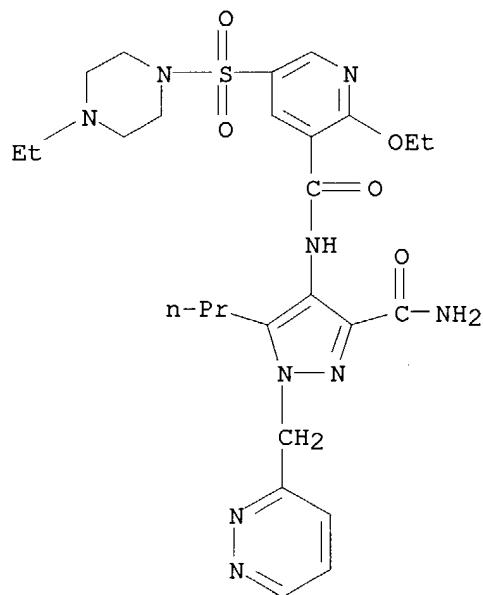
RN 247583-34-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-[(1-methyl-1H-imidazol-2-yl)methyl]-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)



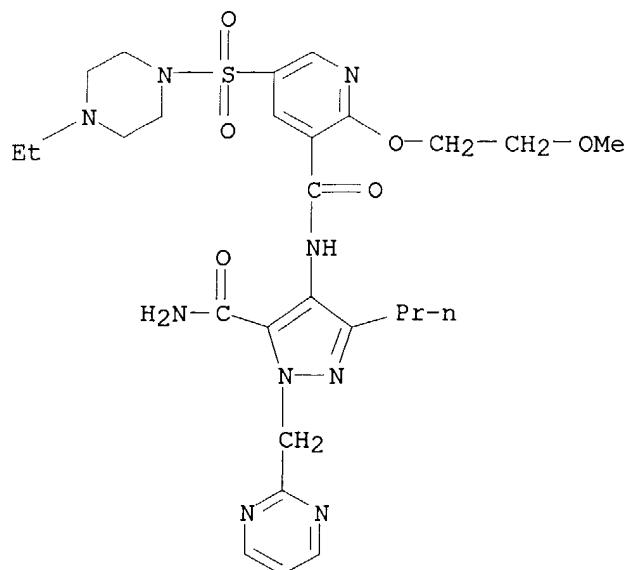
RN 247583-40-0 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(3-pyridazinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



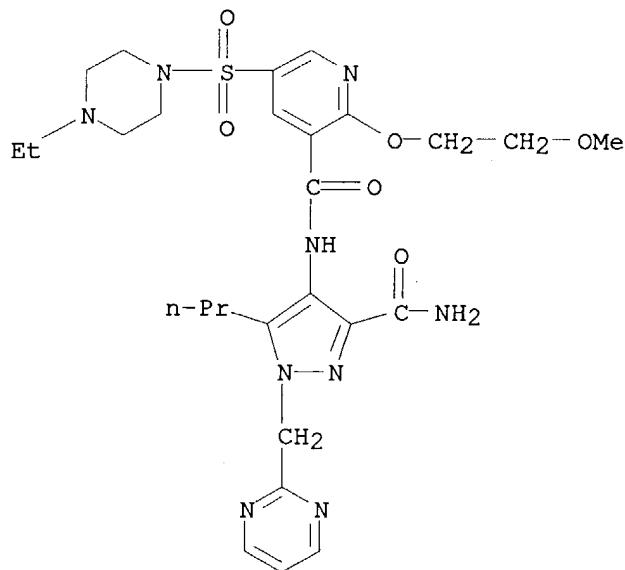
RN 247583-43-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-propyl-1-(2-pyrimidinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)



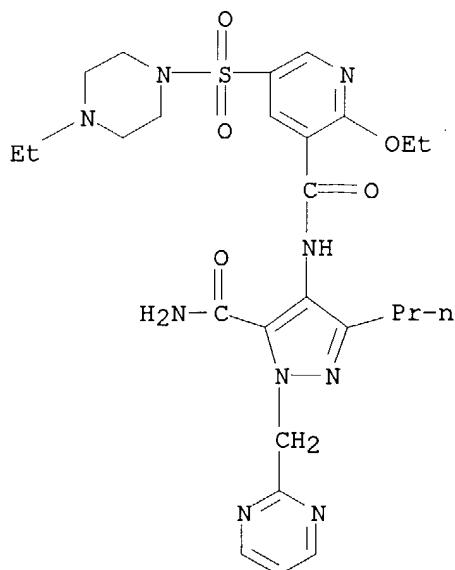
RN 247583-45-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyrimidinylmethyl)-1H-pyrazol-4-yl]-5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-(2-methoxyethoxy)-(9CI) (CA INDEX NAME)



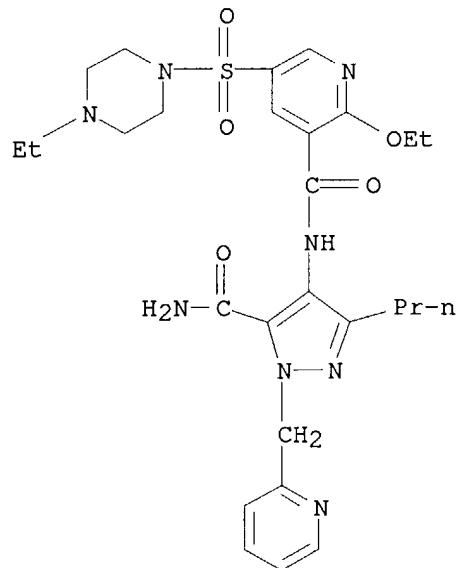
RN 247583-46-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-propyl-1-(2-pyrimidinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-(9CI) (CA INDEX NAME)



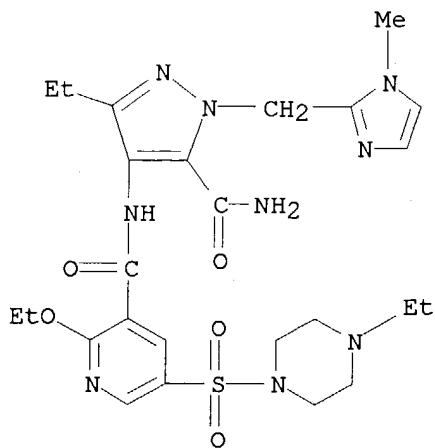
RN 247583-48-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-propyl-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



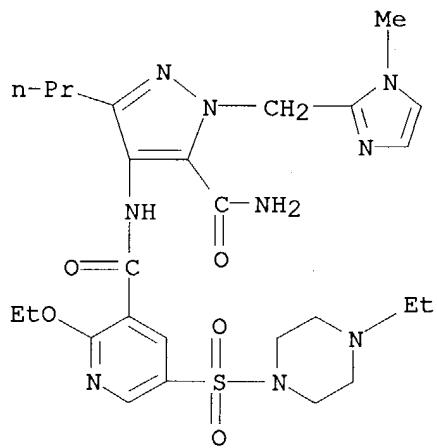
RN 247583-50-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-ethyl-1-[(1-methyl-1H-imidazol-2-yl)methyl]-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 247583-52-4 CAPLUS

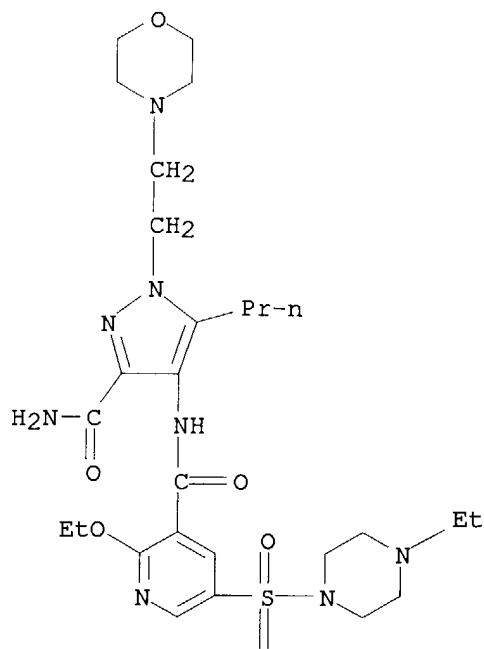
CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-1-[(1-methyl-1H-imidazol-2-yl)methyl]-3-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 247583-64-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-1-[2-(4-morpholinyl)ethyl]-5-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

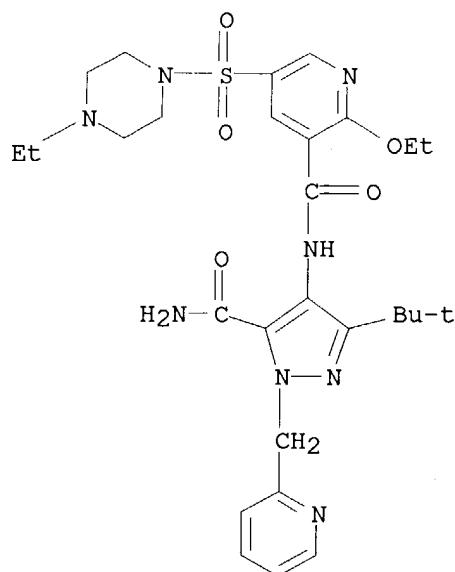


PAGE 2-A

$$\begin{array}{c} || \\ \text{O} \end{array}$$

RN 247583-65-9 CAPLUS

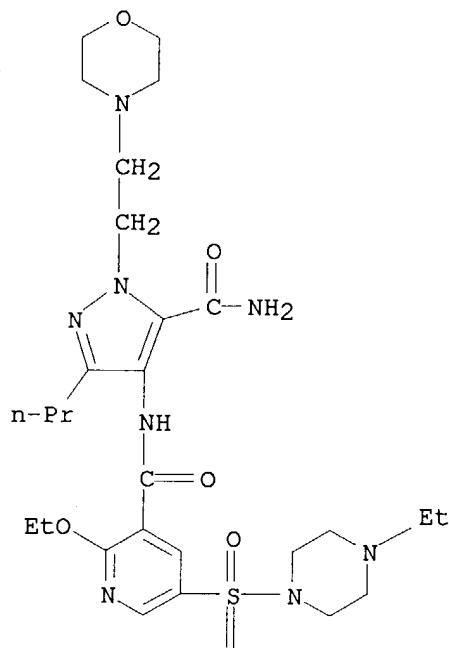
CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-(1,1-dimethylethyl)-1-(2-pyridinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 247583-66-0 CAPLUS

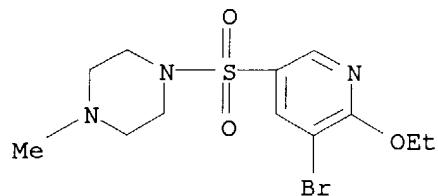
CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-1-[2-(4-morpholinyl)ethyl]-3-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-(9CI) (CA INDEX NAME)

PAGE 1-A

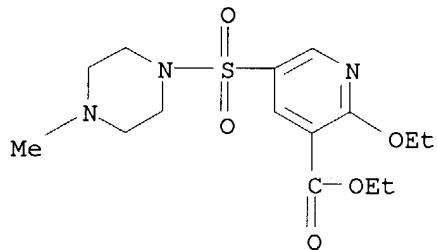




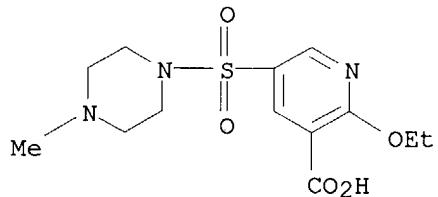
RN 247583-87-5 CAPLUS
 CN Piperazine, 1-[(5-bromo-6-ethoxy-3-pyridinyl)sulfonyl]-4-methyl- (9CI)
 (CA INDEX NAME)



RN 247583-89-7 CAPLUS
 CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

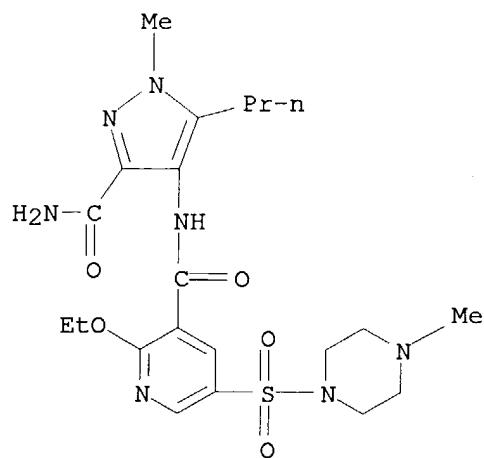


RN 247583-91-1 CAPLUS
 CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



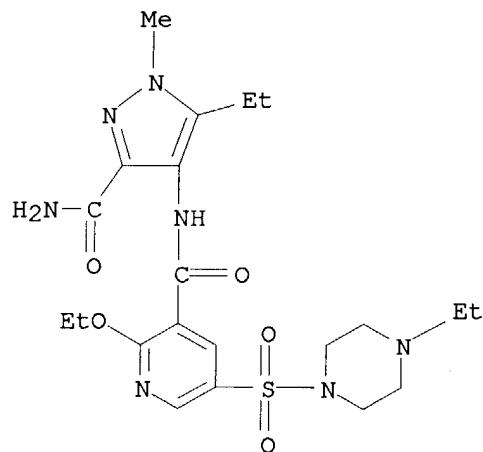
● HCl

RN 247583-93-3 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-1-methyl-5-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



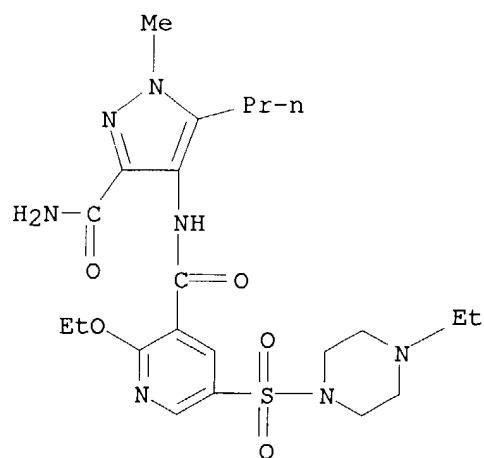
RN 247583-94-4 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-methyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



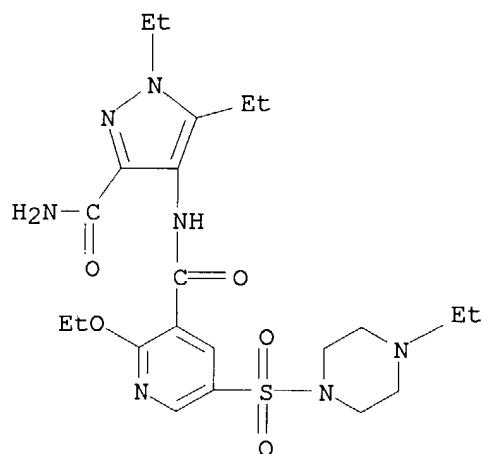
RN 247583-95-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-1-methyl-5-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



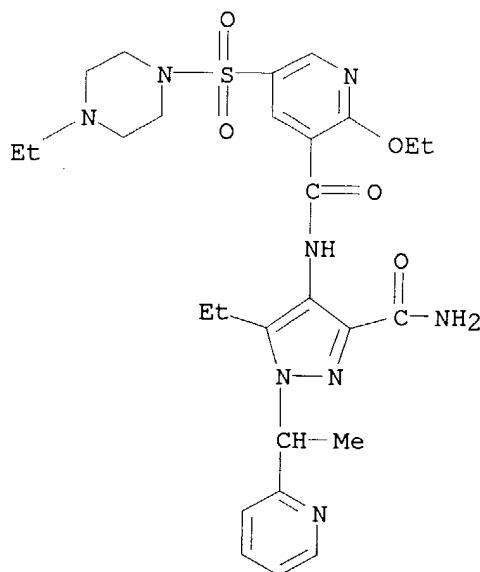
RN 247583-96-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-1,5-diethyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



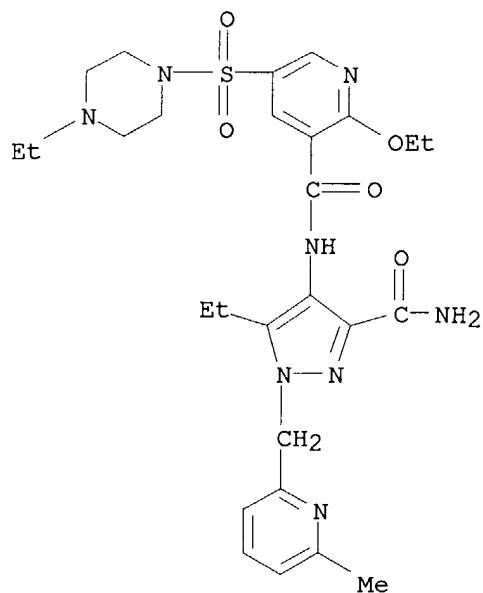
RN 247583-97-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-[1-(2-pyridinyl)ethyl]-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



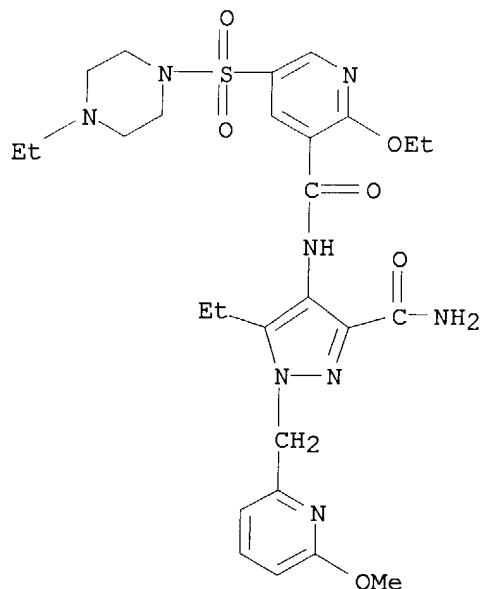
RN 247583-98-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-[(6-methyl-2-pyridinyl)methyl]-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



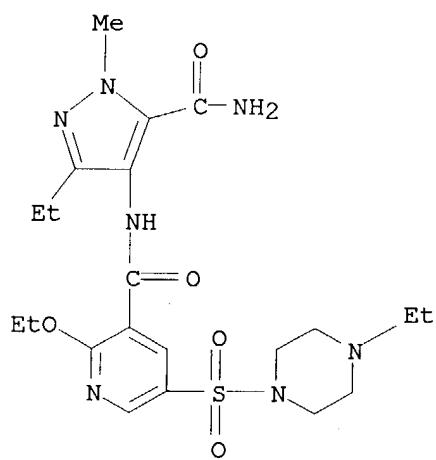
RN 247583-99-9 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-[(6-methoxy-2-pyridinyl)methyl]-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



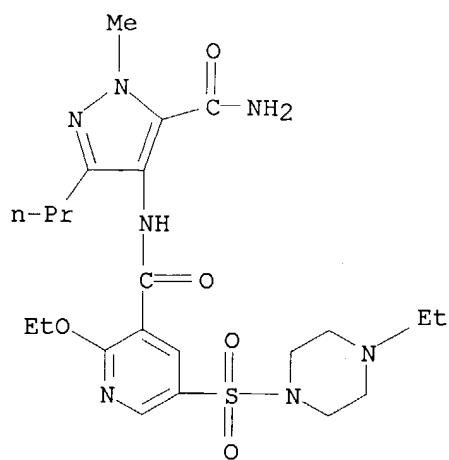
RN 247584-00-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-3-ethyl-1-methyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



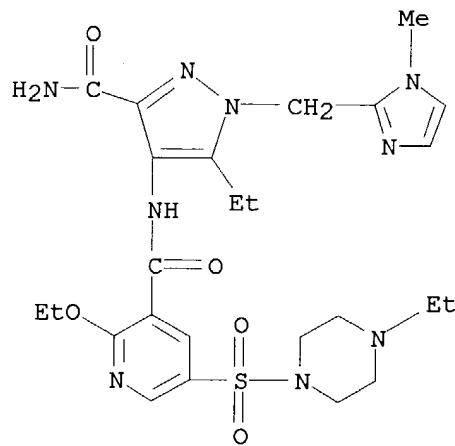
RN 247584-01-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



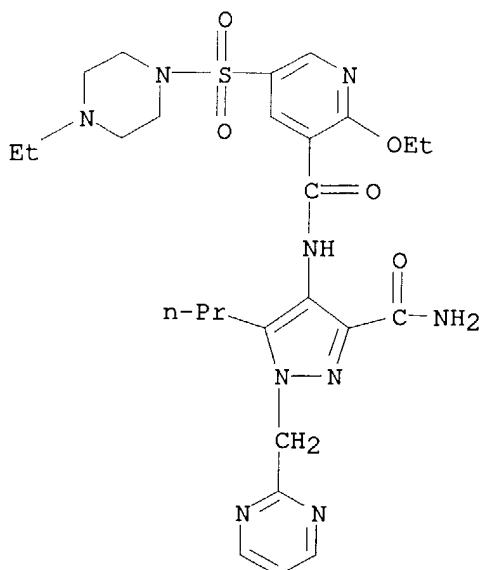
RN 247584-07-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-ethyl-1-[(1-methyl-1H-imidazol-2-yl)methyl]-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 247584-11-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(aminocarbonyl)-5-propyl-1-(2-pyrimidinylmethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

2000:818584 Document No. 134:115917 Optimization of Substituted

N-3-Benzylimidazoquinazolinone Sulfonamides as Potent and Selective PDE5 Inhibitors. Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Ponranc, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E. (Departments of Discovery Chemistry and Metabolic and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA). Journal of Medicinal Chemistry, 43(26), 5037-5043 (English) 2000. CODEN: JMCMAR. ISSN: 0022-2623. OTHER SOURCES: CASREACT 134:115917. Publisher: American Chemical Society.

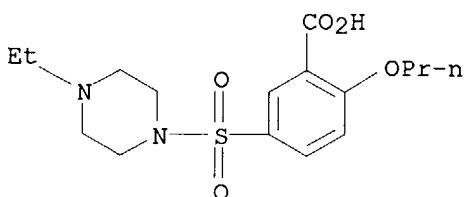
IT 215299-79-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted N-3-benzylimidazoquinazolinone sulfonamides as potent and selective PDE5 inhibitors)

RN 215299-79-9 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

2000:595512 Document No. 133:335213 Polymer-supported reagents for

multi-step organic synthesis: application to the synthesis of sildenafil. Baxendale, I. R.; Ley, S. V. (Department of Chemistry, University of

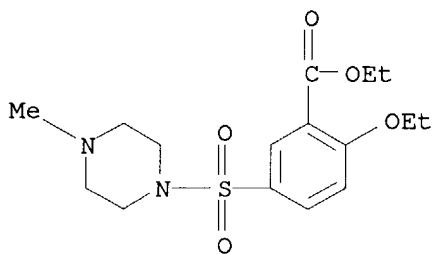
Cambridge, Cambridge, CB2 1EW, UK). Bioorganic & Medicinal Chemistry Letters, 10(17), 1983-1986 (English) 2000. CODEN: BMCLE8. ISSN: 0960-894X. OTHER SOURCES: CASREACT 133:335213. Publisher: Elsevier Science Ltd..

IT **304435-84-5P**

RL: BYP (Byproduct); PREP (Preparation)
(polymer-supported reagents for the synthesis of sildenafil)

RN 304435-84-5 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

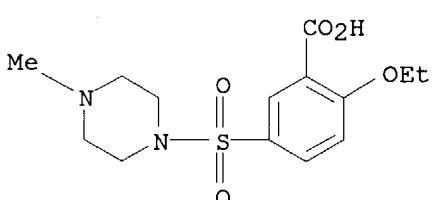


IT **194602-23-8P 200575-15-1P 304435-85-6DP,**
polymer-supported

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(polymer-supported reagents for the synthesis of sildenafil)

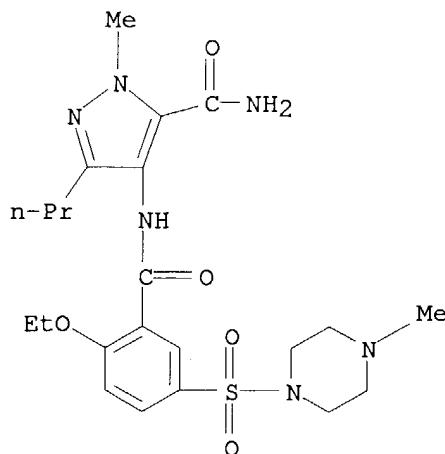
RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



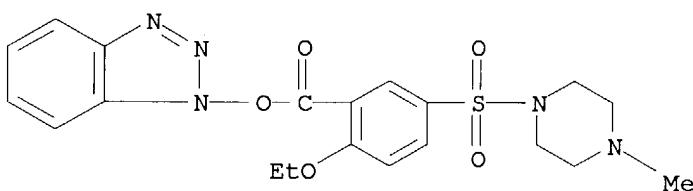
RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



RN 304435-85-6 CAPLUS

CN Piperazine, 1-[3-[(1H-benzotriazol-1-yloxy)carbonyl]-4-ethoxyphenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



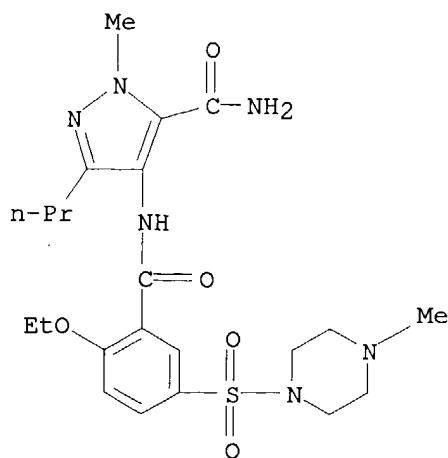
L6 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

2000:351203 Document No. 132:347588 An improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil). Chaudhari, Deoram Totaram; Deshpande, Pandurang Balwantrao; Khan, Rashid Abdul Rehman (Orchid Chemicals & Pharmaceuticals Ltd., India). Eur. Pat. Appl. EP 1002798 A1 20000524, 17 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 1998-122031 19981120.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|---|----------|-----------------|----------|
| PI EP 1002798 | A1 | 20000524 | EP 1998-122031 | 19981120 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | |

IT 200575-15-1P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil))

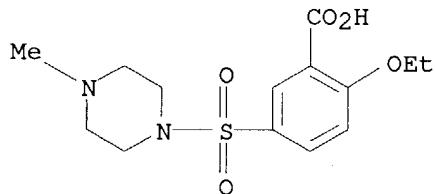
RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



L6 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN
 2000:291043 Document No. 132:308353 Preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors. Bunnage, Mark Edward; Maw, Graham Nigel; Rawson, David James; Wood, Anthony; Mathias, John Paul; Street, Stephen Derek Albert (Pfizer Limited, UK; Pfizer Inc.). PCT Int. Appl. WO 2000024745 A1 20000504, 197 pp. DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-IB1706 19991019. PRIORITY: GB 1998-23102 19981023; GB 1998-23101 19981023.

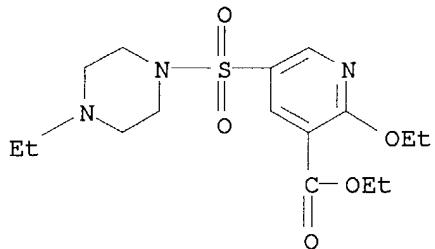
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2000024745 | A1 | 20000504 | WO 1999-IB1706 | 19991019 |
| | W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9959956 | A1 | 20000515 | AU 1999-59956 | 19991019 |
| | BR 9915532 | A | 20010814 | BR 1999-15532 | 19991019 |
| | EP 1123296 | A1 | 20010816 | EP 1999-970992 | 19991019 |
| | EP 1123296 | B1 | 20030917 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | JP 2002528456 | T2 | 20020903 | JP 2000-578315 | 19991019 |
| | AT 250063 | E | 20031015 | AT 1999-970992 | 19991019 |
| | PT 1123296 | T | 20031231 | PT 1999-970992 | 19991019 |
| | ES 2205945 | T3 | 20040501 | ES 1999-970992 | 19991019 |
| | US 6333330 | B1 | 20011225 | US 1999-426554 | 19991022 |
| IT | 194602-23-8 | | | | |

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)
 RN 194602-23-8 CAPLUS
 CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

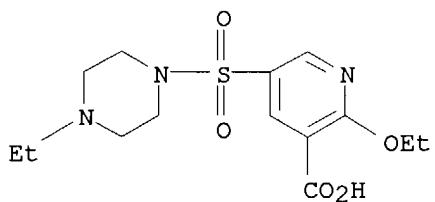


IT 247582-68-9P 247582-73-6P 247582-78-1P
 263710-03-8P 264920-27-6P 265663-85-2P
 265663-87-4P 265663-88-5P 265663-89-6P
 265664-59-3P

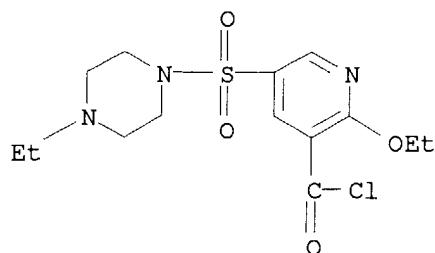
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)
 RN 247582-68-9 CAPLUS
 CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 247582-73-6 CAPLUS
 CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



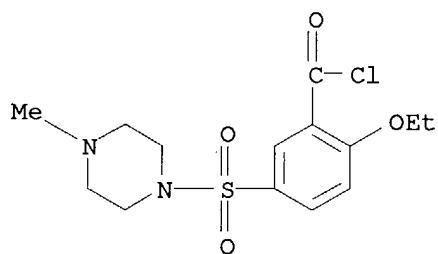
RN 247582-78-1 CAPLUS
 CN 3-Pyridinecarbonyl chloride, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 263710-03-8 CAPLUS

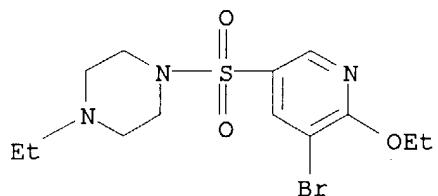
CN Benzoyl chloride, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

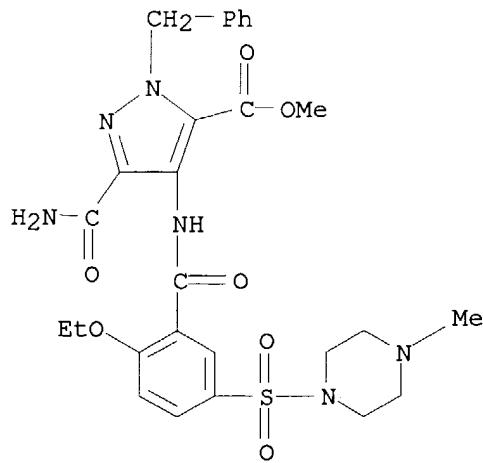
RN 264920-27-6 CAPLUS

CN Piperazine, 1-[(5-bromo-6-ethoxy-3-pyridinyl)sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME)



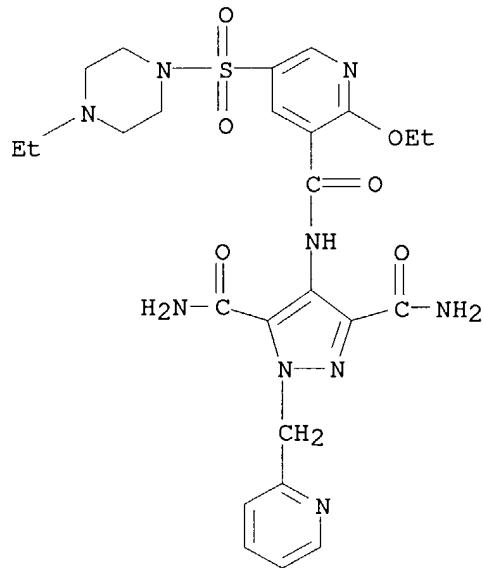
RN 265663-85-2 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 3-(aminocarbonyl)-4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-, methyl ester (9CI) (CA INDEX NAME)



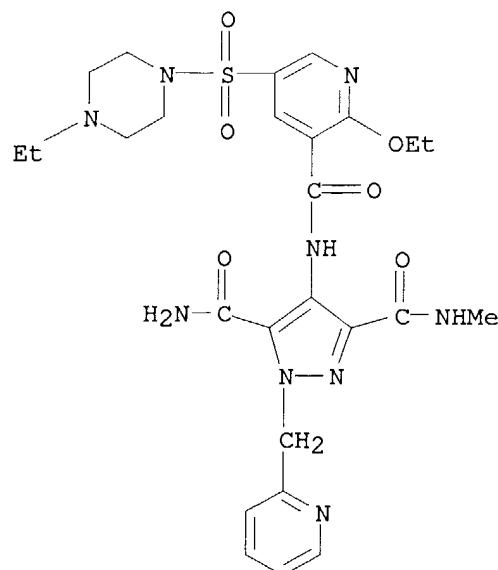
RN 265663-87-4 CAPLUS

CN 1H-Pyrazole-3,5-dicarboxamide, 4-[[[2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-3-pyridinyl]carbonyl]amino]-1-(2-pyridinylmethyl)-(9CI) (CA INDEX NAME)



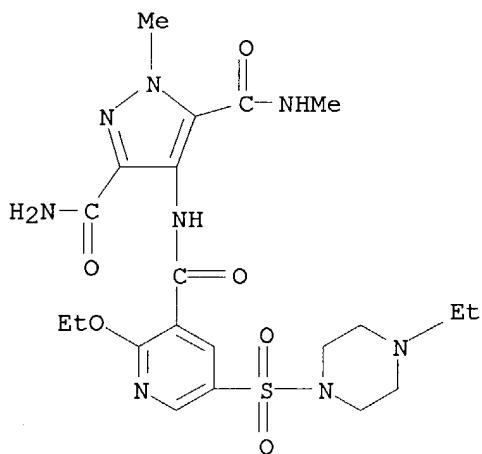
RN 265663-88-5 CAPLUS

CN 1H-Pyrazole-3,5-dicarboxamide, 4-[[[2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-3-pyridinyl]carbonyl]amino]-N3-methyl-1-(2-pyridinylmethyl)-(9CI) (CA INDEX NAME)



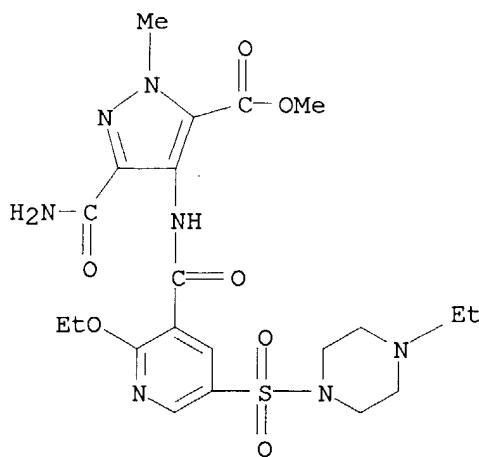
RN 265663-89-6 CAPLUS

CN 1H-Pyrazole-3,5-dicarboxamide, 4-[[[2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-3-pyridinyl]carbonyl]amino]-N5,1-dimethyl- (9CI)
(CA INDEX NAME)



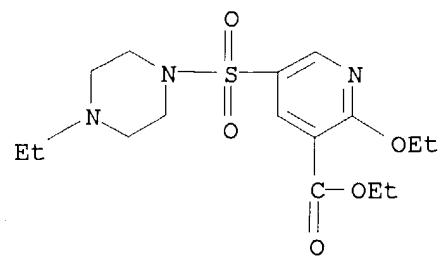
RN 265664-59-3 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 3-(aminocarbonyl)-4-[[[2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-3-pyridinyl]carbonyl]amino]-1-methyl-, methyl ester (9CI) (CA INDEX NAME)

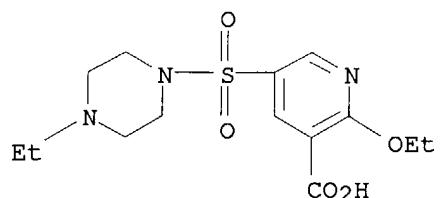


L6 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN
 2000:277701 Document No. 132:293775 Preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction. Bunnage, Mark Edward; Street, Stephen Derek Albert; Mathias, John Paul; Wood, Anthony (Pfizer Inc., USA; Pfizer Limited). Eur. Pat. Appl. EP 995751 A2 20000426, 40 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 1999-308158 19991015. PRIORITY: GB 1998-23103 19981023.

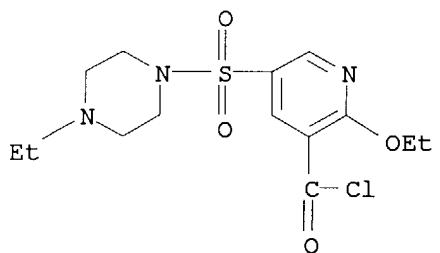
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | EP 995751 | A2 | 20000426 | EP 1999-308158 | 19991015 |
| | EP 995751 | A3 | 20001018 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | BR 9905109 | A | 20000926 | BR 1999-5109 | 19991022 |
| | US 6407114 | B1 | 20020618 | US 1999-425095 | 19991022 |
| | JP 2000128884 | A2 | 20000509 | JP 1999-302064 | 19991025 |
| | MX 9909816 | A | 20000630 | MX 1999-9816 | 19991025 |
| IT | 247582-68-9P 247582-73-6P 247582-78-1P
263710-03-8P 264920-22-1P 264920-24-3P
264920-25-4P 264920-26-5P 264920-27-6P
264920-28-7P 264920-29-8P 264920-30-1P
264920-31-2P 264920-34-5P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction) | | | | |
| RN | 247582-68-9 CAPLUS | | | | |
| CN | 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME) | | | | |



RN 247582-73-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-ethoxy-5-[(4-ethyl-1-piperazinyl) sulfonyl] -
(9CI) (CA INDEX NAME)

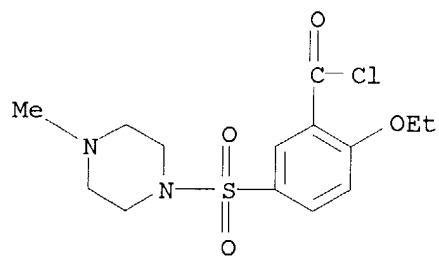
RN 247582-78-1 CAPLUS

CN 3-Pyridinecarbonyl chloride, 2-ethoxy-5-[(4-ethyl-1-piperazinyl) sulfonyl] -
, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 263710-03-8 CAPLUS

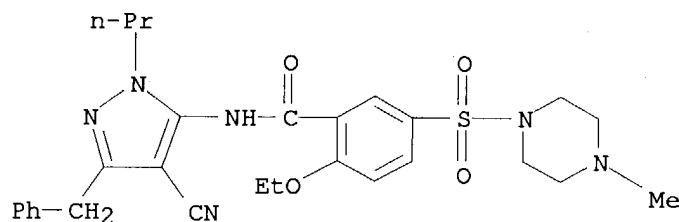
CN Benzoyl chloride, 2-ethoxy-5-[(4-methyl-1-piperazinyl) sulfonyl] -,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

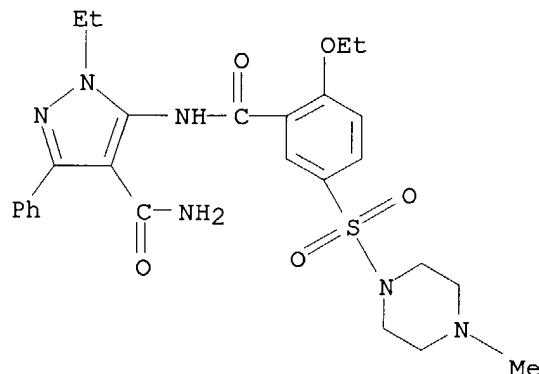
RN 264920-22-1 CAPLUS

CN Benzamide, N-[4-cyano-3-(phenylmethyl)-1-propyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



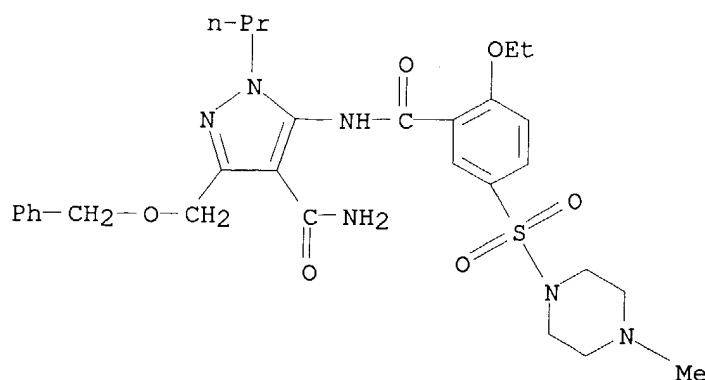
RN 264920-24-3 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-ethyl-3-phenyl- (9CI) (CA INDEX NAME)



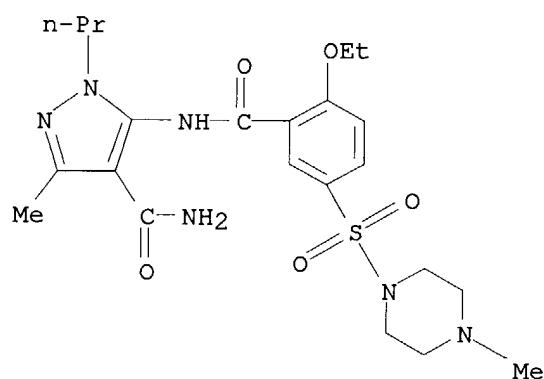
RN 264920-25-4 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-3-[(phenylmethoxy)methyl]-1-propyl- (9CI) (CA INDEX NAME)



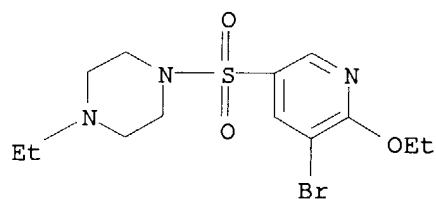
RN 264920-26-5 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[{(4-methyl-1-piperazinyl)sulfonyl]benzoyl}amino]-3-methyl-1-propyl- (9CI) (CA INDEX NAME)



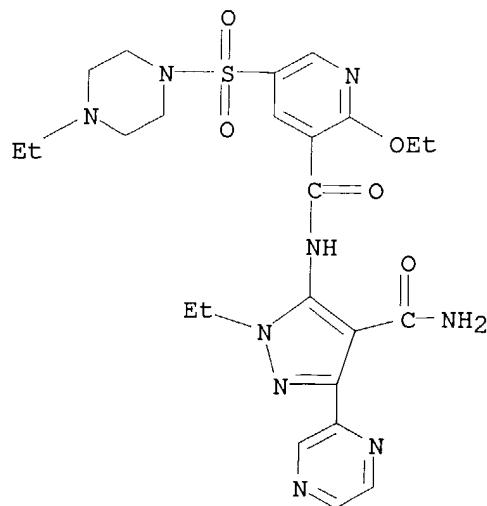
RN 264920-27-6 CAPLUS

CN Piperazine, 1-[(5-bromo-6-ethoxy-3-pyridinyl)sulfonyl]-4-ethyl- (9CI) (CA INDEX NAME)



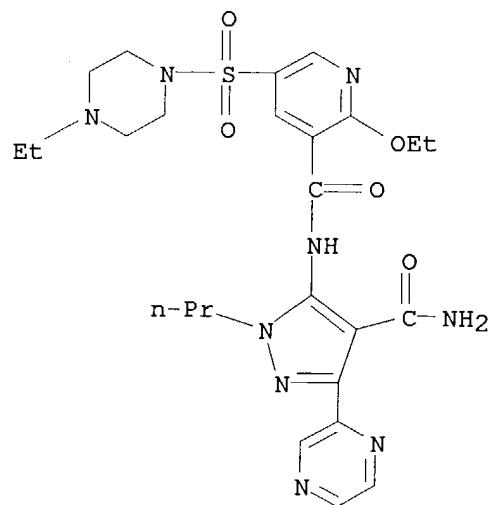
RN 264920-28-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(aminocarbonyl)-1-ethyl-3-pyrazinyl-1H-pyrazol-5-yl]-2-ethoxy-5-[{(4-ethyl-1-piperazinyl)sulfonyl}- (9CI) (CA INDEX NAME)



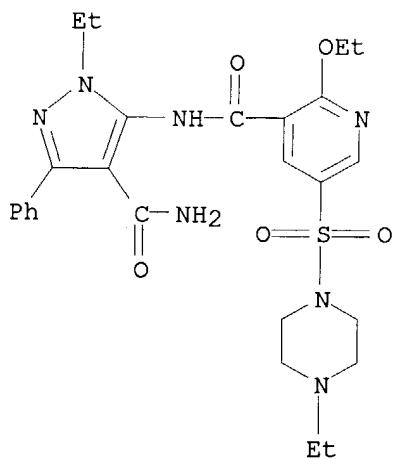
RN 264920-29-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(aminocarbonyl)-1-propyl-3-pyrazinyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



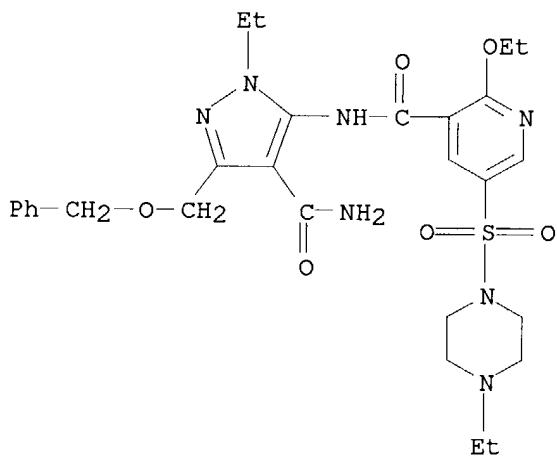
RN 264920-30-1 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(aminocarbonyl)-1-ethyl-3-phenyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



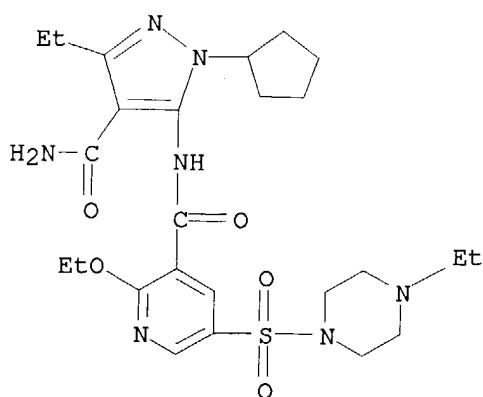
RN 264920-31-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(aminocarbonyl)-1-ethyl-3-[(phenylmethoxy)methyl]-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 264920-34-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(aminocarbonyl)-1-cyclopentyl-3-ethyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-ethyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

2000:259773 Document No. 132:279229 Preparation of pyrazolo[4,3-d]pyrimidin-7-ones. Dunn, Peter James; Levett, Philip Charles (Pfizer Limited, UK; Pfizer Research and Development Company, N.V./S.A.). Eur. Pat. Appl. EP 994115 A2 20000419, 20 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 1999-307996 19991011. PRIORITY: GB 1998-22238 19981012

PRIORITY: SB 1998 22238 19981012.
PATENT NO. KIND DATE

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|---|----------|--------------------|----------|
| PI EP 994115 | A2 | 20000419 | EP 1999-307996 | 19991011 |
| PI EP 994115 | A3 | 20000524 | | |
| R: AT, BE, CH,
IE, SI, LT, | DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
LV, FI, RO | | | |
| US 6207829 | B1 | 20010327 | US 1999-415440 | 19991008 |
| CN 1255497 | A | 20000607 | CN 1999-123918 | 19991009 |
| CN 1473831 | A | 20040211 | CN 2003-2003142738 | 19991009 |
| AU 9953581 | A1 | 20000413 | AU 1999-53581 | 19991011 |
| AU 756463 | B2 | 20030116 | | |
| NO 9904943 | A | 20000413 | NO 1999-4943 | 19991011 |
| MX 9909326 | A | 20000430 | MX 1999-9326 | 19991011 |
| KR 2000028987 | A | 20000525 | KR 1999-43836 | 19991011 |
| BR 9905092 | A | 20000808 | BR 1999-5092 | 19991011 |
| ZA 9906412 | A | 20010411 | ZA 1999-6412 | 19991011 |
| BG 63205 | B1 | 20010629 | BG 1999-103794 | 19991011 |
| EG 22630 | A | 20030531 | EG 1999-1269 | 19991011 |
| JP 2000119273 | A2 | 20000425 | JP 1999-290099 | 19991012 |
| EE 9900507 | A | 20000615 | EE 1999-507 | 19991012 |
| EE 4192 | B1 | 20031215 | | |
| HR 990318 | A1 | 20000630 | HR 1999-990318 | 19991012 |
| HR 990318 | B1 | 20040630 | | |
| TR 9902541 | A2 | 20000721 | TR 1999-9902541 | 19991012 |
| US 2001009962 | A1 | 20010726 | US 2001-761376 | 20010116 |
| US 2003069422 | A1 | 20030410 | US 2002-253029 | 20020923 |

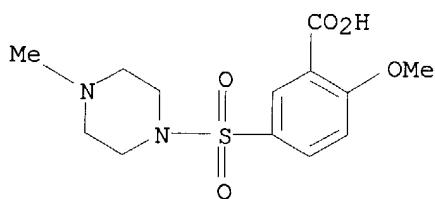
IT 263897-16-1P 263897-17-2P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolo[4,3-d]pyrimidin-7-ones)

RN 263897-16-1 CAPLUS

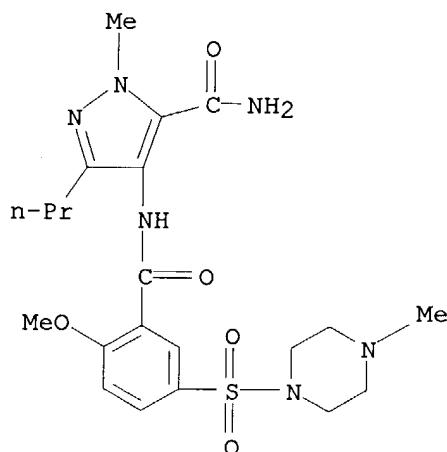
CN Benzoic acid, 2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA)

INDEX NAME)



RN 263897-17-2 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



L6 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2004 ACS on STN

2000:176119 Document No. 132:342802 N-3-Substituted Imidazoquinazolinones: Potent and Selective PDE5 Inhibitors as Potential Agents for Treatment of Erectile Dysfunction. Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Ponranc, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E. (Discovery Chemistry and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA). Journal of Medicinal Chemistry, 43(7), 1257-1263 (English) 2000. CODEN: JMCMAR. ISSN: 0022-2623. Publisher: American Chemical Society.

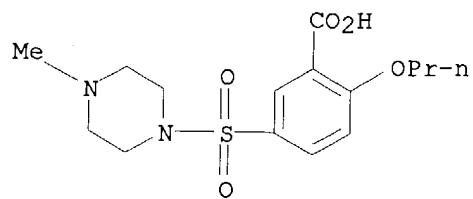
IT **269731-53-5P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of imidazoquinazolinones as potent and selective PDE5 inhibitors and potential agents for treatment of erectile dysfunction)

RN 269731-53-5 CAPLUS

CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, lithium salt (9CI) (CA INDEX NAME)



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STN INTERNATIONAL LOGOFF AT 14:23:24 ON 10 AUG 2004